

What is claimed is:

1. A glow plug comprising:
a rod-shaped heating element, said rod-shaped heating element being composed of an electrically conductive ceramic material;
a carrier ring attached to said rod-shaped heating element, said carrier ring being composed of an electrically conductive material; and
a tubular casing attached to said carrier ring so as to surround said rod-shaped heating element and said carrier ring,
wherein said carrier ring has been attached to said rod-shaped heating using a magnetic forming process.
2. The glow plug according to claim 1, wherein the tubular casing has been attached to said carrier ring using a magnetic forming process.
3. A glow plug comprising:
a rod-shaped heating element, said rod-shaped heating element being composed of an electrically conductive ceramic material;
a cylindrical carrier ring for attachment to said rod-shaped heating element, said cylindrical carrier ring being composed of a magnetically-deformable material and having an outer circumferential surface thereof being electrically insulated;
a contact sleeve for attachment to said rod-shaped heating element in an area adjacent to a connection side thereof so as to axially extend therefrom, said contact sleeve being composed of an electrically conductive material;
a tubular casing for surrounding said rod-shaped heating element, said cylindrical carrier ring and said contact sleeve, said tubular casing having been attached to said cylindrical carrier ring by a magnetic forming process so as not to physically contact said contact sleeve,
wherein said contact sleeve and cylindrical carrier ring have been attached to said rod-shaped heating element by a magnetic forming process, and

wherein said cylindrical carrier ring has an external diameter which is greater than that of the contact sleeve.